

Title (en)

Control circuit for a high current switch having an isolated gate and impulse switch using such a circuit

Title (de)

Ansteuereinrichtung eines Hochstromschalters mit isoliertem Gate und Impulsschalter unter Verwendung derselben

Title (fr)

Dispositif de commande d'un commutateur à grille isolée, de fort courant, et commutateur d'impulsions comportant un tel dispositif

Publication

EP 0716507 A1 19960612 (FR)

Application

EP 95402735 A 19951205

Priority

FR 9414704 A 19941207

Abstract (en)

The control device includes a current conduction circuit (36) which has a switch (38) for connection in series to a reverse biased diode (42) and then to a load (8). A parallel connection (12) is provided to a pulse switch (2). The diode allows conduction when the voltage is smaller than that on the drain (22) of the transistor switch. The source being connected to earth. A discharge circuit (40) is placed between the FET switch terminals (22,14) to perform discharge control. A voltage limiter (39) limits the voltage on the drain.

Abstract (fr)

La présente invention concerne un dispositif de commande d'un commutateur d'impulsions (2) à grille isolée de fort courant dans un circuit de charge (6). Selon l'invention, le dispositif comporte des moyens de mise en conduction (36) avec un circuit de commande pour dériver du circuit de charge (6) un courant de mise en conduction du commutateur (2). Application à la réalisation d'interrupteurs à fort courant et à haute tension.
<IMAGE>

IPC 1-7

H03K 17/042; **H03K 17/081**; **H03K 3/57**; **H02M 1/088**

IPC 8 full level

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CPC (source: EP)

H03K 3/57 (2013.01); **H03K 17/04206** (2013.01); **H03K 17/08122** (2013.01); **H03K 17/0822** (2013.01)

Citation (search report)

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